Application No.: 10/697,772 Docket No.: JCLA10907

## <u>AMENDMENTS</u>

## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

## In The Claims:

Claim 1 (currently amended) An operating system loading method, for loading an operating system from a storage device, comprising:

judging whether the operating system is first time booted or not;

creating a cluster-list-table if booting the operating system is judged-first-time the operating system is first time booted; and

loading the operating system according to the cluster-list-table.

Claim 2 (currently amended) The operating system loading method of claim 1, further comprising:

judging whether the operating system is first time booted or not;
generating a check sum if booting the operating system is judged first time; and
judging whether an operating system file is modified or not based on the check sum.

Claim 3 (currently amended) The operating system loading method of claim 1, wherein making creating the cluster-list-table comprises:

searching a plurality of clusters where the operating system file is saved; and

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sorting and saving as the cluster-list-table thereof according to information on the clusters.

Claim 4 (original) The operating system loading method of claim 1, wherein the storage device is a hard disk drive.

Claim 5 (original) The operating system loading method of claim 1[4], wherein the cluster-list-table is sorted based on a cylinder number, a head number, and a sector number.

Claim 6 (original) The operating system loading method of claim 1, wherein the storage device is a flash drive.

Claim 7 (original) The operating system loading method of claim 1, wherein the operating system is an embedded operating system.

Claim 8 (currently amended) An operating system loading method, for loading an operating system from a storage device, comprising:

reading a cluster-list-table;

sorting the cluster-list-table according to a new sequence of cylinder, head, and sector numbers thereof; and

loading the operating system according to the sequence of the cluster-list-table.

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Claim 9 (currently amended) The operating system loading method of claim 8, further comprising:

judging whether the operating system is first time booted or not;

generating a check sum for the operating system if booting the operating system is judged first time the operating system is first time booted; and

judging whether an operating system file is modified or not based on the check sum.

Claim 10 (original) The operating system loading method of claim 8, further comprising:

judging whether the operating system is first time booted or not;

searching a plurality of clusters where the operating system file is saved if loading the operating system is judged first time; and

sorting and saving as the cluster-list-table thereof according to information on the clusters.

Claim 11 (original) The operating system loading method of claim 8, wherein the storage device is a hard disk drive.

Claim 12 (original) The operating system loading method of claim 11, wherein the cluster-list-table is sorted based on a cylinder number, a head number, and a sector number.

Claim 13 (original) The operating system loading method of claim 8, wherein the storage device is a flash drive.

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Claim 14 (original) The operating system loading method of claim 8, wherein the operating system is an embedded operating system.

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Claim 15 (new) The operating system loading method of claim 1, wherein the cluster-list-table is sorted to create a new sequence of loading the operating system.

Claim 16 (new) The operating system loading method of claim 15, wherein the cluster-list-table is sorted according to a new sequence of cylinder, head, and sector numbers of the cluster-listtable.

Claim 17 (new) The operating system loading method of claim 16, wherein the new sequence is arranged in a manner that the cylinder, head, and sector numbers thereof are arranged in an ascending order.

Claim 18 (new) The operating system loading method of claim 1, wherein the cluster-list-table is defined by an array structure of:

struct Cluster-list-table {

ULONG ulNumber;

ULONG ulSector;

ULONG ulCylinder;

ULONG ulHead;

}ClustersList[];

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Claim 19 (new) The operating system loading method of claim 8, wherein the new sequence is arranged in a manner that the cylinder, head, and sector numbers thereof are arranged in an ascending order.

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Claim 20 (new) The operating system loading method of claim 8, wherein the cluster-list-table is defined by an array structure of:

struct Cluster-list-table {

ULONG ulNumber;

ULONG ulSector;

ULONG ulCylinder;

ULONG ulHead;

}ClustersList[];